

Refine Search

Search Results -

Terms	Documents
L15 not L16	13

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L17

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Wednesday, February 11, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query

Hit Count Set Name

side by side

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ

L1	(solar or photovoltaic) near5 (cell or module)	48084	L1
L2	polyurethane	297079	L2
L3	plastic or glass or ceramic	3228685	L3
L4	filler with (chalk or glass or silicate)	59843	L4
L5	I2 with I4L4	0	L5
L6	I2 with I4	800	L6
L7	L1 same I2	137	L7
L8	L1 and I6	2	L8
L9	L7 and I4	18	L9
L10	L9 and I3	18	L10
L11	6335479.pn.	3	L11
L12	L11 and polyurethane	1	L12
L13	I1 and I2	926	L13
L14	L13 and (filler with (chalk or glass or \$6silicate))	83	L14
L15	L13 and (polyurethane with filler)	17	L15
L16	I14 and L15	4	L16
L17	I15 not L16	13	L17

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Search Results - Record(s) 1 through 13 of 13 returned.

1. Document ID: US 20030054245 A1

Using default format because multiple data bases are involved.

Li7: Entry 1 of 13

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054245

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030054245 A1

TITLE: Process for forming multilayer articles by melt extrusion

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Barton, Kelly D.	Athens	PA	US	
Gray, Donald G.	Towanda	PA	US	
Rockwell, Guy E.	Ulster	PA	US	

US-CL-CURRENT: [429/212](#); [429/217](#); [429/232](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FWC	Draw Desc	Image
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2. Document ID: US 20020196519 A1

Li7: Entry 2 of 13

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020196519

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020196519 A1

TITLE: Electrochromic safety glazing

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Elkadi, Yasser	Tucson	AZ	US	
Agrawal, Anoop	Tucson	AZ	US	
Holdmann, Torsten	Woellstein		DE	

US-CL-CURRENT: [359/265](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FWC	Draw Desc	Image
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3. Document ID: US 20020061449 A1

L17: Entry 3 of 13

File: PGPB

May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020061449
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020061449 A1

TITLE: Ion-conductive composition, gel electrolyte, non-aqueous electrolyte battery, and electrical double-layer capacitor

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Maruo, Tatsuya	Chiba-shi		JP	
Yoshida, Hiroshi	Chiba-shi		JP	
Sato, Takaya	Chiba-shi		JP	

US-CL-CURRENT: 429/303; 361/502, 361/526, 429/314, 429/317

Full	Title	Citation	Field	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Desc	Image
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4. Document ID: US 6639708 B2

L17: Entry 4 of 13

File: USPT

Oct 28, 2003

US-PAT-NO: 6639708
DOCUMENT-IDENTIFIER: US 6639708 B2

TITLE: Electrochromic safety glazing

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Elkadi, Yasser	Tucson	AZ		
Agrawal, Anoop	Tucson	AZ		
Holdmann, Torsten	Woellstein			DE

US-CL-CURRENT: 359/265; 359/270

Full	Title	Citation	Field	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Desc	Image
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5. Document ID: US 6503432 B1

L17: Entry 5 of 13

File: USPT

Jan 7, 2003

US-PAT-NO: 6503432
DOCUMENT-IDENTIFIER: US 6503432 B1

TITLE: Process for forming multilayer articles by melt extrusion

DATE-ISSUED: January 7, 2003

h e b b g e e e f e h e f b c

Record List Display

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barton; Kelly D.	Athens	PA		
Gray; Donald G.	Towanda	PA		
Rockwell; Guy E.	Ulster	PA		

US-CL-CURRENT: 264/173.16; 264/177.2, 264/211, 264/331.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PubC	Draw Desc	Image

6. Document ID: US 5667595 A

L17: Entry 6 of 13

File: USPT

Sep 16, 1997

US-PAT-NO: 5667595

DOCUMENT-IDENTIFIER: US 5667595 A

TITLE: Process for manufacturing a solar module and the solar module prepared thereby

DATE-ISSUED: September 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaverka; Ingrid	Aachen			DE
Gelderie; Udo	Aachen			DE
Broering; Karin	Aachen			DE
Mattes; Guenter	Aachen			DE
Reul; Bernhard	Herzogenrath			DE

US-CL-CURRENT: 136/251; 257/433, 264/261, 438/64, 438/65

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PubC	Draw Desc	Image

7. Document ID: US 5380371 A

L17: Entry 7 of 13

File: USPT

Jan 10, 1995

US-PAT-NO: 5380371

DOCUMENT-IDENTIFIER: US 5380371 A

TITLE: Photoelectric conversion element and fabrication method thereof

DATE-ISSUED: January 10, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murakami; Tsutomu	Nagahama			JP

US-CL-CURRENT: 136/256; 136/258, 257/740, 257/753, 257/E31.042, 427/74, 438/610, 438/780, 438/98

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PubC	Draw Desc	Image

☐ 8. Document ID: US 4953537 A

L17: Entry 8 of 13

File: USPT

Sep 4, 1990

US-PAT-NO: 4953537

DOCUMENT-IDENTIFIER: US 4953537 A

TITLE: Barrel-shaped solar roofing element and method for its manufacture

DATE-ISSUED: September 4, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allegro, Joseph	Boca Raton	FL		

US-CL-CURRENT: 126/622; 126/709; 126/711; 126/908; 165/116; 165/169; 165/170; 52/533

Full	Title	Claims	Front	Review	Classification	Date	Reference	Image	Claims	DOC	Draw Data	Image
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☐ 9. Document ID: US 4825599 A

L17: Entry 9 of 13

File: USPT

May 2, 1989

US-PAT-NO: 4825599

DOCUMENT-IDENTIFIER: US 4825599 A

TITLE: Space structures formable in space

DATE-ISSUED: May 2, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Swann, Jr.; Jack T.	Huntsville	AL	35802	

US-CL-CURRENT: 52/2.15; 244/159; 264/45.2; 342/10; 343/915

Full	Title	Claims	Front	Review	Classification	Date	Reference	Image	Claims	DOC	Draw Data	Image
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☐ 10. Document ID: US 4291894 A

L17: Entry 10 of 13

File: USPT

Sep 29, 1981

US-PAT-NO: 4291894

DOCUMENT-IDENTIFIER: US 4291894 A

TITLE: Electrical ski boot release

DATE-ISSUED: September 29, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
D'Antonio; Nicholas F.	Liverpool	NY	13088	
Bates; Richard L.	Camillus	NY	13031	

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Record List Display

US-CL-CURRENT: 280/612, 280/611, 280/621, 280/623, 280/624

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Draw Date	Image
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11. Document ID: US 3649354 A

L17: Entry 11 of 13

File: USPT

Mar 14, 1972

US-PAT-NO: 3649354

DOCUMENT-IDENTIFIER: US 3649354 A

TITLE: METHOD OF PRODUCING LAYERS OF GRAINS PARTICULARLY MONOLAYERS OF GRAINS EMBEDDED IN A FILLER

DATE-ISSUED: March 14, 1972

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Te Velde; Ties Siebolt	Emmasingel, Bindhoven			NL

US-CL-CURRENT: 438/107, 148/DIG.120, 148/DIG.122, 257/618, 257/642, 427/203, 427/76, 427/79, 438/28, 438/34, 438/406, 438/63

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Draw Date	Image
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12. Document ID: WO 9906636 A1, EP 1012400 A1, AU 9883873 A

L17: Entry 12 of 13

File: DWPI

Feb 11, 1999

DERWENT-ACC-NO: 1999-153845

DERWENT-WEEK: 200035

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TITLE: Active light emitting road marking system - incorporates light emitting diodes supplied with power and controlled by control unit to provide appropriately coloured road markers

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Draw Date	Clip time	Image
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13. Document ID: EP 531827 A1, DE 69215176 E, JP 05063218 A, JP 05063219 A, AU 9221380 A, A 651486 B, US 5380371 A, EP 531827 B1

L17: Entry 13 of 13

File: DWPI

Mar 17, 1993

DERWENT-ACC-NO: 1993-086888

DERWENT-WEEK: 199705

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TITLE: Thin film solar cells incorporating resin passivation layer - and conductive paste electrodes, with component dissolving passivation layer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Draw Date	Clip time	Image
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Clear

Generate Collection

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Bkwd Refs

Generate OACS

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Record List Display

Terms	Documents
L15 not L16	13

Display Format:

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

WEST Search History

Hide Items

Restore

Clear

Cancel

DATE: Wednesday, February 11, 2004

Hide? Set Name Query		Hit Count
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L1 (solar or photovoltaic) near5 (cell or module)	48084
<input type="checkbox"/>	L2 polyurethane	297079
<input type="checkbox"/>	L3 plastic or glass or ceramic	3228685
<input type="checkbox"/>	L4 filler with (chalk or glass or silicate)	59843
<input type="checkbox"/>	L5 l2 with l4L4	0
<input type="checkbox"/>	L6 l2 with l4	800
<input type="checkbox"/>	L7 L1 same l2	137
<input type="checkbox"/>	L8 L1 and l6	2
<input type="checkbox"/>	L9 L7 and l4	18
<input type="checkbox"/>	L10 L9 and l3	18
<input type="checkbox"/>	L11 6335479.pn.	3
<input type="checkbox"/>	L12 L11 and polyurethane	1
<input type="checkbox"/>	L13 l1 and l2	926
<input type="checkbox"/>	L14 L13 and (filler with (chalk or glass or \$silicate))	83
<input type="checkbox"/>	L15 L13 and (polyurethane with filler)	17
<input type="checkbox"/>	L16 l14 and L15	4

END OF SEARCH HISTORY

Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20020148496 A1
Using default format because multiple data bases are involved.

Oct 17, 2002

L16: Entry 1 of 4

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20020148496
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020148496 A1

TITLE: Solar modules with a transparent polyurethane front side and a process for producing same

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dörner, Karl-Heinz	Pulheim		DE	
Ehbing, Hubert	Südlohn		DE	
Hassler, Christian	Krefeld		DE	
Ramthun, Jürgen	Bergisch Gladbach		DE	
Stollwerck, Gunther	Krefeld		DE	
Eiben, Robert	Lampertheim		DE	
Niedermeyer, Michael	Altiusheim		DE	
Schuster, Peter	Altrip		DE	

US-CL-CURRENT: 136/243; 264/259

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Notes	Drawings	Image
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☐ 2. Document ID: US 20020128412 A1

L16: Entry 2 of 4

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020128412
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020128412 A1

TITLE: Tetrafluoroethylene copolymer and use thereof

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kitahara, Takahiro	Osaka		JP	
Asano, Kozo	Osaka		JP	

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Record List Display

Ishiwari, Kazuo	Osaka	JP
Higashihata, Yoshihide	Osaka	JP
Higuchi, Tatsuya	Osaka	JP

US-CL-CURRENT: 526/250; 428/421, 428/422, 526/253, 526/254, 526/348.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MAC	Draw Desc	Image
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3. Document ID: US 6538084 B2

L16: Entry 3 of 4

File: USPT

Mar 25, 2003

US-PAT-NO: 6538084
DOCUMENT-IDENTIFIER: US 6538084 B2

TITLE: Tetrafluoroethylene copolymer and use thereof

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kitahara, Takahiro	Settsu			JP
Asano, Kozo	Settsu			JP
Ishiwari, Kazuo	Settsu			JP
Higashihata, Yoshihide	Settsu			JP
Higuchi, Tatsuya	Settsu			JP

US-CL-CURRENT: 526/250; 428/421, 428/422, 526/253, 526/254, 526/348.8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MAC	Draw Desc	Image
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4. Document ID: US 6372870 B1

L16: Entry 4 of 4

File: USPT

Apr 16, 2002

US-PAT-NO: 6372870
DOCUMENT-IDENTIFIER: US 6372870 B1

TITLE: Tetrafluoroethylene copolymer and use thereof

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kitahara, Takahiro	Settsu			JP
Asano, Kozo	Settsu			JP
Ishiwari, Kazuo	Settsu			JP
Higashihata, Yoshihide	Settsu			JP
Higuchi, Tatsuya	Settsu			JP

US-CL-CURRENT: 526/250; 428/421, 428/422, 526/253, 526/254, 526/348.8

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Record List Display

Full	Title	Citation	Front	Review	Classification	Date	Reference	Alt Text	Image	Claims	PubC	Doc#	Data	Image
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L14 and L15	4

Display Format:

[Previous Page](#) [Next Page](#) [Go to Doc#](#)

WEST Search History

DATE: Wednesday, February 11, 2004

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ		
<input type="checkbox"/>	L1	(solar or photovoltaic) near5 (cell or module)	48084
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<input type="checkbox"/>	L4	filler with (chalk or glass or silicate)	59843
<input type="checkbox"/>	L5	l2 with l4L4	0
<input type="checkbox"/>	L6	l2 with l4	800
<input type="checkbox"/>	L7	L1 same l2	137
<input type="checkbox"/>	L8	L1 and l6	2
<input type="checkbox"/>	L9	L7 and l4	18
<input type="checkbox"/>	L10	L9 and l3	18
<input type="checkbox"/>	L11	L9 and l3	3
<input type="checkbox"/>	L11	6335479.pn.	1
<input type="checkbox"/>	L12	L11 and polyurethane	1
<input type="checkbox"/>	L13	l1 and l2	926
<input type="checkbox"/>	L14	L13 and (filler with (chalk or glass or \$6silicate))	83
<input type="checkbox"/>	L15	L13 and (polyurethane with filler)	17
<input type="checkbox"/>	L16	l14 and L15	4
<input type="checkbox"/>	L17	l15 not L16	13
<input type="checkbox"/>	L18	6372870.pn.	2
<input type="checkbox"/>	L19	L18 and substrate	2

END OF SEARCH HISTORY